

M.SILAMBARASAN

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CAREER OBJECTIVE:

B.E(ECE) with 5+ years of technical experience in electrical design of Automation system for Special purpose machines (SPM)

PROFESSIONAL EXPERIENCE

Innovative Control Systems- Hosur

July-2011 to March-2015

Design Engineer- Electrical

PRI Precision automotive pvt ltd-Chennai

March-2015 to present

Senior Engineer-Electrical

WORK RESPONSIBILITIES

- Understand the **customer specification** for the purpose of providing Automation solution
- Integration with customer for the **approval** contains about technical specification details, concept, control system, overall dimension, and layout of control panel
- Selection of Control Elements like **PLC, HMI, Sensors, Instruments** based on the application
- Selection of **Switchgears** and other Safety related elements
- Designed **PLC, control panels** (SLD, GA, Schematic, Control circuit)
- Panel wiring diagram using **E-plan tools, Auto-cad**
- **PLC Programming, HMI Design** (Siemens,Mitsubishi,LS,Pro Face)
- Hands on experience in **MESSUNG PLC** and **GOC**
- Documentation :**BOM, I/O list, Power Calculation, Control logics, Cable Routing & Schedule and Project Manual**
- Complete **review of Drawing** and **Inspection** of PLC,control panels for outsourcing jobs
- Specify all electrical and controls-related elements are **send requisition to purchase** Department
- Send **Enquiry and review quotations** from various suppliers for all bought out item

- Electrical **Commissioning and installation**
- Maintenance experience in **Injection molding and Die molding**
- Working in **Panel wiring and field wiring**
- Troubleshooting in **Panel wiring & field wiring** and solving that problem
- Working with special component and Devices **like (VFDs, Marking unit, Nut runner, LVDT, Load cell)**
- Working with safety components like **(Light Curtain, E Stop,Soloid interlock)**

KEY PROJECT HANDLED

Title: Assembly Line Conveyor

Customer Name: M/s. Hyundai Motors India Ltd., Chennai.

Environment: Mitsubishi PLC system (Q-Series)

Description:

In this project old conveyor has been replaced with many improvement activities. This entire process is done by Mitsubishi PLC (Q-Series) system with Ethernet communication. Remote IO Module using with CC-Link communication. This project consist of 34 meters and 24 idle station. GOT 1000 series with Ethernet communication.

Title: Deburring shuttle unit

Customer Name M/s. Hyundai Motors India Ltd., Chennai.

Environment: Mitsubishi PLC system (Q-Series)

Description:

In this project **POOL PROOF** (Oil hole) Checking in engine Block. And Separate **NG** Block and **OK** Block in **NG** Conveyor and **OK** Conveyor. This entire process is done by (Mitsubishi PLC) with Serial communication (RS 232).

Title: JXX-Gear Box Assy Line

Customer Name: M/s. Renault Nissan, Chennai.

Environment: Siemens PLC system (S7-300) with Profibus

Description:

The project deals with the assembly line of Gear Box for car .The entire process is done by (Siemens PLC) CPU 315 -2DP with Profibus communication and in this project we used special component of LVDT (Linear Variable Differential Transformer).This project consist of sixteen zones with Siemens HMI

EDUCATIONAL QALIFICATIONS

B.E (Electronics and Communication Engineering) – 72%

Sapthagiri College Of Engineering, Dharmapuri – 2011

Higher Secondary (XII) – 77%

Govt Boys Higher Secondary School, Pochampalli – 2006

S.S.L.C (X) – 64%

Govt Boys Higher Secondary School, Pochampalli – 2004

PERSONAL DETAILS

Name	:	M.Silambarasan
Date of Birth	:	25-07-1989
Address	:	3/336, Ramapuram (vill), Periyakaradiyur (po), Pochampalli (Tk), Krishnagiri (Dt), Tamil Nadu.
E-mail ID	:	silampass@gmail.com
Contact Number	:	9578034865

DECLARATION:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Place:

(M.silambarasan)